

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for realizing charging, comprising:

a. setting up a mapping relation between a service attribute of a to-be-charged service and a charging rule of the to-be-charged service, wherein said service attribute comprises a service identifier and a service charging type;

b. acquiring the service attribute of the to-be-charged service when the to-be-charged service is needed to be charged;

c. acquiring the charging rule of the to-be-charged service through the service attribute of the to-be-charged service, according to the mapping relation between the service attribute and the charging rule; and

d. charging the to-be-charged service according to the acquired charging rule of the to-be-charged service,

wherein a comprises,

a1. setting up a mapping relation among said service identifier, said service charging type and field name included in a service charging attribute, and

a2. setting up a mapping relation between said service charging attribute and said charging rule, and

wherein c comprises,

c1. according to the mapping relation among said service identifier, said service charging type and the field name included in said service charging attribute, the field names included in said service charging

attribute of the to-be-charged service being acquired through service identifier and service charging type of the to-be-charged service,
c2. confirming said service charging attribute of the to-be-charged service according to the field names included in said service charging attribute of the to-be-charged service, and
c3. according to the mapping relation between said service charging attribute and said charging rule, the charging rule of the to-be-charged service being acquired through said service charging attribute of the to-be-charged service.

2.-5. (Canceled)

6. (Currently Amended) The method according to claim [[5]]1, wherein if a1 comprises a11, setting up a mapping relation among said service identifier, said service charging type and a flag of a selective service charging attribute, and a12. setting up a mapping relation between the flag of the selective service charging attribute and said field names included in the service charging attribute, then c comprises:

c4. according to the mapping relation among said service identifier, said service charging type and said flag of said selective service charging attribute, acquiring a flag of selective service charging attribute of the to-be-charged service through said service identifier and said service charging type of the to-be-charged service;

c5. according to the flag of said selective service charging attribute of said to-be-charged service, acquiring the field names included in said service charging attribute of said to-be-charged service;

c6. according to the mapping relation between the flag of said selective service charging attribute and the field names included in said service charging attribute, confirming said service charging attribute of said to-be-charged service through the field names included in said service charging attribute of said to-be-charged service; and

c7. according to the mapping relation between said service charging attribute and said charging rule, acquiring the charging rule of the to-be-charged service through the service charging attribute of said to-be-charged service.

7.-10. (Canceled)

11. (Currently Amended) The method according to claim [[10]]1, wherein a1 comprises a11. setting up a mapping relation among said service identifier, said service charging type and a flag of a selective service charging attribute, and a12. setting up a mapping relation between the flag of the selective service charging attribute and said field names included in the service charging attribute;

wherein said mapping relation among said service charging category, service charging type and the flag of the selective service charging attribute comprises a mapping relation among said service charging category, service charge type, the flag

of the selective service charging attribute, said charging rule and a subordinate charging rule;

wherein said subordinate charging rule comprises a minimum session quantity charging policy and a session quantity rounding policy; and

wherein a first table recording the mapping relation between said service charging attribute and said charging rule is a sub-table of a second table recording the mapping relation between said flag of said selective service charging attribute and the field names included in said service charging attribute, and the first and second tables are correlated by a service charging attribute identifier; and

fields relating to said service charging attribute in the first table recording the mapping relation between said service charging attribute and said charging rule are corresponding to fields relating to the field names included in said service charging attribute in the second table recording the mapping relation between said flag of said selective service charging attribute and the field names included in said service charging attribute.

12. (Previously Presented) The method according to claim 11, wherein a field number of said first table recording the mapping relation between said service charging attribute and said charging rule and a field number of the second table recording the mapping relation between said flag of said selective service charging attribute and the field names included in said service charging attribute are larger than that of any service charging attribute, respectively.

13. (Previously Presented) The method according to claim 11, further comprising:

when further field names included in said service charging attribute need to be added, column information is added to a corresponding record of the first table recording the mapping relation between said service charging attribute and said charging rule, as well as to a corresponding record of the second table recording the mapping relation between said flag of said selective service charging attribute and the field names included in said service charging attribute.

14. (Currently Amended) The method according to claim ~~[[7]]~~1, wherein if a1 comprises a11. setting up a mapping relation among said service identifier, said service charging type and the flag of the selective service charging attribute, and a12. setting up a mapping relation between the flag of the selective service charging attribute and said field names included in the service charging attribute, and

if a11 comprises a111. setting up a mapping relation between said service identifier and a service charging category, and a112. setting up a mapping relation among said service charging category, service charging type and the flag of the selective service charging attribute, then c comprises:

c8. acquiring said service charging category and a discount of said to-be-charged service through the service identifier of said to-be-charged service, according to the mapping relation between said service identifier and said service charging category;

c9. determining whether the service charging attribute needs to be acquired by judging whether the mapping relation among said service charging category, said service charging type and said flag of said selective service charging attribute comprises the charging rule corresponding to said service charging category and said service charging type of the to-be-charged service, and, if yes, executing step c91, otherwise executing c95;

c91. according to the mapping relation among said service charging category, said service charging type and said flag of said selective service charging attribute, acquiring the flag of said selective service charging attribute and a subordinate charging rule that corresponds to said service charging category and said service charging type;

c92. according to the flag of said selective service charging attribute of the to-be-charged service, acquiring the field name of said service charging attribute of said to-be-charged service;

c93. according to the field names of said service charging attribute of the to-be-charged service, acquiring the service charging attribute of the to-be-charged service;

c94. according to said service charging attribute of the to-be-charged service, acquiring the charging rule of the to-be-charged service; and

c95. acquiring the charging rule and said subordinate charging rule that corresponds to the service charging category and said service charging type.

15. (Previously Presented) The method according to claim 14, wherein d comprises:

charging the to-be-charged service according to the charging rule, discount information and said subordinate charging rule.

16. (Currently Amended) A charging system comprising:

a module for acquiring a charging rule and a charging processing module, wherein the module for acquiring said charging rule acquires the charging rule corresponding to a to-be-charged service according to a service attribute of the to-be-charged service, and transmits the charging rule to the charging processing module;

wherein the charging processing module charges the to-be-charged service according to the transmitted charging rule;

wherein the module for acquiring charging rule comprises,

a sub-module for acquiring service charging category, a judging sub-module, a sub-module for acquiring service charging attribute, and a sub-module for acquiring a service charging rule, wherein,

the sub-module for acquiring service charging category is used to acquire the discount and service charging category which are corresponding to the to-be-charged service according to service identifier of the service attribute of the to-be-charged service, and outputs the discount to the charging processing module, and outputs the service charging category to the judging sub-module,

according to the received service charging category, the judging sub-module determines whether a service charging attribute is needed to be acquired by judging whether the mapping relation among said service charging category, service charging type and the flag of the selective service charging attribute comprises the charging rule that is corresponding to the to-be-charged service; if no, the judging sub-module notifies the sub-module for acquiring the service charging rule not to acquire the service charging attribute of the to-be-charged service; if yes, the judging sub-module notifies the sub-module for acquiring the service charging attribute to acquire the service charging attribute of the to-be-charged service;

when the sub-module for acquiring the service charging attribute receives the notification of acquiring the service charging attribute of the to-be-charged service, according to the mapping relation among the service charging category, service charging type and the flag of the selective service charging attribute, it acquires the flag of the selective service charging attribute and the subordinate charging rule which are corresponding to the to-be-charged service; the sub-module for acquiring service charging attribute acquires the field name included in the service charging attribute according to the flag of the selective service charging attribute, and acquires the service charging attribute according to the field name included in the service charging attribute, and transmits the subordinate charging rule to the charging processing module; transmitting service charging attribute to acquiring service charging rule sub-module;

when the sub-module for acquiring the service charging rule receives the notification of not acquiring the service charging attribute of the to-be-charged service, according to the mapping relation among the charging category, the service

charging type and the flag of the selective service charging attribute, it acquires the charging rule corresponding to the to-be-charged service and transmits the acquired charging rule to the charging processing module; when the sub-module for acquiring service charging rule receives the service charging attribute, it acquires the charging rule from the mapping relation between the service charging attribute and the charging rule, and transmits the acquired charging rule to the charging processing module.

17. (Canceled)

18. (Currently Amended) The method according to claim ~~[[8]]~~19, wherein said mapping relation among said service charging category, said service charging type and said flag of said selective service charging attribute comprises a mapping relation among said service charging category, said service charge type, said flag of said selective service charging attribute, said charging rule and a subordinate charging rule;

wherein said subordinate charging rule comprises a minimum session quantity charging policy and a session quantity rounding policy.

19. (New) The method according to claim 14, wherein said mapping relation between the service charging identifier and the service charging category comprises a mapping relation among said service identifier, service charging category and

discount information, wherein the discount information comprises information of periodic discount and quantity discount.

20. (New) The method according to claim 14, wherein said mapping relation among said service charging category, said service charging type and said flag of said selective service charging attribute comprises a mapping relation among said service charging category, said service charging type, said flag of said selective service charging attribute, said charging rule and said subordinate charging rule, wherein said subordinate charging rule comprises a minimum session quantity charging policy and a session quantity rounding policy.